

Type specimens in the Mycological Herbarium “Albert S. Muller” (VIA), Venezuela

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Abstract — One hundred and ninety four type specimens held in the Mycological Herbarium “Albert S. Muller” (VIA) are listed. Ninety-eight relate to anamorphic fungi, 59 to *Ascomycota*, 36 to *Basidiomycota*, and one to *Oomycota*. The complete annotated collection list is available on: <http://www.mycotaxon.com/resources/weblist.html>.

Key words — Latin America, Neotropical fungi, reference collections

Introduction

The dried fungal reference collections in Latin America have been consistently neglected. Some important collections survive, but they remain little known even when holding valuable material, particularly type specimens that are essential in systematic research and the revision of taxa.

One example is the Mycological Herbarium “Albert S. Muller” (VIA) at the Instituto Nacional de Investigaciones Agrícolas of Venezuela. Founded in 1937, VIA remained inactive for almost 40 years (between 1941 and 1982) in the absence of systematic mycologists.

The reorganization of the herbarium, initiated in 1982, has involved several activities to fulfill basic requirements, such as finding an adequate space for the specimens, founding a library and a laboratory, and training of human resources. These tasks are still in progress.

An inventory of the original herbarium reveals that although much previously listed (Ciccarone 1948) material has been lost, some nomenclatural types remain among the specimens, including many from Venezuela.

An updated list of the VIA types is provided in this paper.

Materials and methods

Label information was recorded from all “type”-designated specimens. Original descriptions were scanned in order to confirm protologue data. When the literature associated with protologues was checked, some other holotypes and paratypes deposited in VIA and not previously labeled as “types” were detected.

Collections designated as “sp. nov.” bearing names that could not be traced in the literature or in Index Fungorum (2008) are not included in the list. Holotype, isotype, lectotype, paratype, syntype, topotype, and similar terms have been included whenever this condition was clearly confirmed for the specimen, either on its label or in scanned related publications (electronic or printed). Information about hosts, collection sites, names of collectors, dates of collection and acronyms of reference collections holding duplicates are included.

The fungal taxa are systematically arranged in accordance with Index Fungorum (2008); abbreviations of authors of fungal names are given according to Kirk & Ansell (1992). Acronyms of reference collections follow Holmgren & Holmgren (2008).

Results

One hundred and ninety four type specimens are listed. Ninety-eight relate to anamorphic fungi, 59 belong to *Ascomycota*, 36 to *Basidiomycota*, and one to *Oomycota*. A summary is presented below, and the complete annotated specimen list is available on

<http://www.mycotaxon.com/resources/weblist.html>.

[Types from Venezuela are indicated by an asterisk (*).]

Acremonium exiguum, *Aecidium hymenocallidis**, *Anthracoidea unciniae**,
*Antimanoa grisleae**, *Asteridiella vilis* var. *caracacensis**, *Asterina*
*orthosticha**, *Asterinella bredemeyerae**, *Auerswaldiella disciformis**;
*Bagnisiopsis towarensis**, *B. translucens**, *Burrillia sagittariae**;
*Calothyrium jahnii**, *Cercospora alabamensis*, *C. angolensis*, *C. apiicola**,
C. aragonensis, *C. aurantia*, *C. batatas* Henn., *C. beticola*, *C. carbonacea*,
C. cordobensis, *C. crotalariae* Syd.*, *C. curatellae**, *C. cyclantherae**,
C. cylindrata, *C. dioscoreae-bulbiferae*, *C. ecliptae**, *C. fagopyri* Chupp &
A.S. Mull.*, *C. fuchsiae**, *C. fusimaculans*, *C. hyptidicola**, *C. ipomoeae*,
C. ipomoeae-pedis-caprae, *C. ipomoeae-purpureae*, *C. jaguarensis**,
*C. lanugiflori**, *C. lonchitidis**, *C. marcelliana**, *C. melanotes**,
*C. mirandensis**, *C. monochaeti**, *C. nubilosa*, *C. oldenlandiae*,
*C. oxalidiphila**, *C. pachyderma*, *C. passifloricola**, *C. pittieri**,
*C. poinciana**, *C. salpianthi**, *C. sorghi*, *C. spilosticta**, *C. stuckertiana*,
C. tokoroi, *C. triumfettae**, *C. turbiniae*, *C. uramensis**, *C. viridula*,
C. zae-maydis, *Cercospora indica*, *C. ugandensis*, *C. yadavii*,
*Cercosporidium venezuelanum**, *Cicinnobella heterothea**, *Cintractia*

oreoboli, *Colletotrichum jahnii**, *Cordyceps venezuelensis**,
*Creonectria discostiolata**, *C. macrosporicola**, *Cyclomyces gigas**;
Dactylaria dioscoreae, *Dermatosorus cyperi**, *Diabolidium calliandrae**,
*Dialacenum cissi**, *Dimeriellina nervisequens**, *Doassansia epilobii*;
*Elsinoë pruni**, *Eutypella aggregata**;
*Glabrotheca aciculisporea**, *Glomerella erythrinae**, *Goplana ribis-andicolae**;
*Hemidothis pittieri**;
*Leptosphaeria cryptica**, *Leptospora lignicola**, *Leptosporina aciculospora**;
Macrosporium dioscoreae, *Melampsora euphorbiae-geniculatae**,
*Meliola venezuelana**, *Mycosphaerella erythrinnicola**, *M. fijiensis*,
M. fijiensis var. *difformis*, *M. pittieri**, *M. samaneae**, *M. venezuelensis**,
*Mycovellosiella boldoae**, *M. deightonii*, *M. fujikuroi*, *Myrothecium*
*renaudii**;
*Oberwinkleria anulata**, *Oedothea vismiae**, *Ovulariopsis passiflorae**;
*Passalora bunchosiae**, *P. caracasana**, *P. centrosematis**, *P. monninae**,
*P. securidacae**, *Pestalotia palmarum*, *Phaeoramularia ciccaronei**,
*P. rauvolfiae**, *Phakopsora randiae**, *Phoma heterospora*, *P. sacchari*
Gutner, *P. saccharina*, *Phomatospora oyedaeae**, *Phomatosporopsis*
*ingae**, *Phyllachora cedralensis**, *P. coutareae**, *P. deminuta**,
*P. gelatinosa**, *P. panici-olivacei**, *P. pappophori**, *P. paritii-tiliacei**,
*P. phari-latifoliae**, *P. saurauicola**, *P. venezuelensis**, *Phyllosticta*
*capparidis**, *P. manihot*, *P. manihoticola*, *P. manihotis*, *P. sacchari*,
P. saccharicola, *Pittierodothis miconiae**, *Plasmopara venezuelana**,
*Polyrhizon capparidis**, *Prospodium araguatum**, *P. cumminsii**,
*Pseudocercospora annonae-squamosae**, *P. blechi**, *P. conocarpi**,
*P. durantae**, *P. pachirae**, *P. rhinocarpi**, *P. samaneae**, *P. struthanthi**,
*P. tovariae**, *Puccinia chaetii**, *P. mirandensis**, *P. ponsae**,
*P. waltheriae**, *Pucciniopsis anacardii**;
Ragnhildiana tranzschelii, *Ramularia dioscoreae*, *R. ipomoeae*,
*Ravenelia mirandensis**, *R. verrucata* var. *apurensis**;
*Schiffnerula towarensis**, *S. trematis**, *Septoria araguata**, *S. pittieriana**,
S. versicolor, *Sphaceloma manihoticola*, *Sphaeropsis sacchari*,
Sporidesmium dioscoreae, *Sporisorium absconditum**, *S. panici-*
*hirticaulis**, *S. trachypogonis-plumosi**, *Stenella araguata**;
*Telimena caudata**, *Tilletia brachypodii-mexicana**, *Trabutia saurauiae**;
*Uredo combreti**, *U. lycoseridis**, *U. merremiae**, *U. monochaeti**,
U. paraphysata F. Kern & Thurst. *, *U. pehriae**, *U. verruculosa**,
*Uromyces tripsaci**, *Ustilago longiseti*, *U. shastensis*; and
*Xenomeris eucalypti**.

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